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RAW SEQUENCE LISTING

DATE: 03/20/2002

PATENT APPLICATION: US/10/091,281

TIME: 16:27:42

Input Set : A:\13587_338.txt

Output Set: N:\CRF3\03202002\J091281.raw

3 <110> APPLICANT: RAYMOND, VINCENT
4 SI, ERWIN
5 MORISETTE, JEAN
7 <120> TITLE OF INVENTION: OPTINEURIN NUCLEIC ACID MOLECULES AND USES THEREOF
9 <130> FILE REFERENCE: 13587.338
C--> 11 <140> CURRENT APPLICATION NUMBER: US/10/091,281
C--> 11 <141> CURRENT FILING DATE: 2002-03-06
11 <160> NUMBER OF SEQ ID NOS: 463
13 <170> SOFTWARE: PatentIn Ver. 2.1
15 <210> SEQ ID NO: 1
16 <211> LENGTH: 5054
17 <212> TYPE: DNA
18 <213> ORGANISM: Homo sapiens
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22 <222> LOCATION: 391
23 <223> OTHER INFORMATION: single nucleotide polymorphism (SNP)
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30 <220> FEATURE:
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33 <223> OTHER INFORMATION: single nucleotide polymorphism (SNP)
35 <220> FEATURE:
36 <221> NAME/KEY: allele
37 <222> LOCATION: 887
38 <223> OTHER INFORMATION: single nucleotide polymorphism (SNP)
40 <220> FEATURE:
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47 <222> LOCATION: 987
48 <223> OTHER INFORMATION: single nucleotide polymorphism (SNP)
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53 <223> OTHER INFORMATION: single nucleotide polymorphism (SNP)
55 <220> FEATURE:
56 <221> NAME/KEY: allele

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57 <222> LOCATION: 1505
58 <223> OTHER INFORMATION: insertion of additional c residue
60 <220> FEATURE:
61 <221> NAME/KEY: allele
62 <222> LOCATION: 1606
63 <223> OTHER INFORMATION: single nucleotide polymorphism (SNP)
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112 <222> LOCATION: 598..878
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116 <221> NAME/KEY: repeat_region
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131 <221> NAME/KEY: misc_feature
132 <222> LOCATION: 5054
133 <223> OTHER INFORMATION: putative transcription start site
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139 actcatcctc ggaatatattg gaaccagtga tgaactgaat caaactaaag ctgagacaaa 120
141 gtccagacca aggtcaacca tagggcagat gattcatgca gcgaccacac cagtggcctc 180
143 acaggagcag gggcacaccc ttgtctgcag cagtcccaaa catttttgac accaggaact 240
145 ggtttcatgg aagacaattt ttccatggat ggtgggtggg ggggggggtg ttttgggatg 300
147 aaatgggtcc acctcagatc atcaggcatt agagtctcat aagaagcacg caacctagat 360
149 cccttgcatg ttctgttgac aatagggttc acgtcctat gaaaatctaa tgcagctgct 420
151 gatctgacaa gaggcggagc ttaggccata atgtcaccc acccgttgct cacctcctgc 480
153 tgttcgggtc agttcctgag aggccacagg ccagtactgg ttcaccaccc ggggtttggg 540
155 gacccctgct ttattggaca taattattag gtctgtttct ttttgggtgg gtttgtacag 600
157 ctctattgag gtataatcca catgccataa aattcacccc atttgtaaat gtatgattca 660
159 tggctttcaa ttacacttaa aaagttgtaa aaccatcatt acaattcaaa tttagtatat 720
161 ttccatcatc ccccaaaaat cccctcgagt tcctttgcag ttcaaagcca cccccaattt 780
163 caggcaacta ctggtctgat ttctgtcttt ttctactttc cttttctgga catttaagt 840
165 atatggagtc atagcatatg tagtctttgg catctgggg agcaagtagc aatattagtc 900
167 taccacctca gatgcacata aaaatattac atatctttt ttttcttttc cttccttctc 960
169 tccttccctc cttcctttct ctctctactt ccttccttcc ctccttctta cttttcttcc 1020
171 ttctctctct ctctctcttt ctttttgagc agagtctcac tccatggccc aggctggagt 1080
173 gcagtggcac catcttggct cagcgcaacc tttgactccc aggetcaagc aattctctg 1140
175 cctcagcctc tcaagtagct gagattacag gcacgcacca ctactgcctg gctaattttt 1200
177 atatttttag tagagatagg gtttcacat gtttagccagg ctggtcttga actcctgacc 1260
179 tcaaacgatc ctcccaaagt gctgggatta caggcgtgag ccaccgccct gggcctcttt 1320
181 actttcttta aaccagttc tgcagggtg tacggaaacc tattttcggg caccactggg 1380
183 gtctggagag gggaggtctc cttccctacg gccatgcaaa actccaggag ggcttttgg 1440
185 acccattgaa gtaaggcca tttatttttc agcccagcaa cattgccact gataccctca 1500
187 ttatcaaagt gttcttctag ggaacagtct ctgctgttt caatgacaag cctgggcagc 1560
189 agaactctgc ggaggttccc aaagtccagt aggtgcattc caagagcttg ctgtctgtct 1620
191 ggggtgctgc gggactgagg cttgagtcct tgatgtctat aagaccacca tcccactcct 1680
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195 ccaccagct ctggtctctc ctccaggaca tctggggtag atcatggatg tattgagatc 1800
197 aggttttctc aaaagacaag aagaaaggct gtacttctaa gagctgttgc caggagtcca 1860
199 gccaacgctc ctgaaggtag gaagccaaa gggactcgtt gctaactcca aacagaggag 1920
201 attgggggtg aaagggaaca caaggaacat caaaccaga ttaggatctc actaaaaacc 1980
203 ttccacact gctctacatt taccaccac aaaaccacat caacaaatca gctaagagca 2040
205 tgctattatt tcagtttttt cgctgcattt agattccatc taccatgga agtgtgcagg 2100

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207 aagatggagt caccaaacgg gatgatccag gctaagaaac agaaccggct ctaacacaag 2160
209 caacagcaac aaacaccatg agccaggcgt tcttctaggt gttgaagacg tatttcctct 2220
211 ttaatcttct cagcatcctt aggtgagggc tgtgggtcca gaggccttat ctaaaatttt 2280
213 tgggtggctg ggcaccgtgg ctacacatg taatcccagc actttggaag gccgaggcag 2340
215 gtggatcacc cgaggtcagg agttcaatac caggctggtc aacatggcga aacctcatca 2400
217 atacgaaaaa tgcaaaaatt agcttgggtg ggtggcacac gcctgtaatc ccagccactt 2460
219 gggaggctga ggcaggagaa tcaactcaaac ccaggagggt gagattgcag tgagctgaga 2520
221 ttatgccact gcactccagc ctgggcaaca gagtgaagct ccacctcaaa aaataaaaata 2580
223 aaacctttgg ggcaagctct gcttttagagt ccagaattct ggggattttc aaaaggctat 2640
225 tcaataaatg ggatttatat cacataacac cctgacactg tctgacgcag ttctcctatc 2700
227 aactattcga ttttccttca caaaacaaat ttaaaaatca catcaaggga tctaaataaa 2760
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231 tttctggatt tgggagtgt ctatactcc cattttacag ataaaggga tgaggaagg 2880
233 taagatgaag taacttggtc aaggctctac agctaagaag tggttgtcgg gggagtgtgt 2940
235 gtgcatgtgt gtgtgcagt gtgcaggca cccccacc cgacccacc actgagagca 3000
237 aggaatcagg agaaaacaac tttgactgct ttctgtacca gaaactcacc tcgagcctcc 3060
239 cacaccaag ccatgggcag cttgtgggtg acottcttct cttggctctg agtttactg 3120
241 atgctcattt taattcactt tcatagtgtt gttttgttct cgtttttgtt tttgcttgag 3180
243 acaaagtctc cctctcacc aagctggagt gcagtgtgc aatcacagct cattgcagcc 3240
245 tctcctcctt gggctcaagc gatcctcctg ccttgacctc ccaaagtgtt gggattacag 3300
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255 atttctgca ctgattttt ttttttttt ttttttttga gacggagtct cactctgtca 3600
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261 cggetaattt ttgtatttt agtagagaca ggctttcacc atattggcca ggctggtctc 3780
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269 ctctacacc acaccaactc gagggcccg aattgggtct ggggcagtcg ctgacttgc 4020
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293 aagacgaact ccgcacactg catttgatta atgatttatt ttgattaacg ccgtcacagt 4740
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297 ggttggttag ctggggggcg acgcaggaaa gaggaggggc ggggccttgg tcgggtgggg 4860
299 tatggaatgg gcagggtgg ggggatgggc ggggtatgg atgggcgggg cccgggaaat 4920
302 tccccggcgc gggcaggag cggtggctg tcagctgagc cgcgctgggc ggggtcgcca 4980
304 ggcgcgcgat cagccctagg caccacagtc ccggctgccc cctccgccac cgcgcgcgc 5040

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310 <211> LENGTH: 46951
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312 <213> ORGANISM: Homo sapiens
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315 <221> NAME/KEY: allele
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319 <220> FEATURE:
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321 <222> LOCATION: 691
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326 <222> LOCATION: 709
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331 <222> LOCATION: 887
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335 <221> NAME/KEY: allele
336 <222> LOCATION: 894
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349 <220> FEATURE:
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351 <222> LOCATION: 1505
352 <223> OTHER INFORMATION: insertion of additional c residue
354 <220> FEATURE:
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356 <222> LOCATION: 1606
357 <223> OTHER INFORMATION: single nucleotide polymorphism (SNP)
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VERIFICATION SUMMARY

PATENT APPLICATION: US/10/091,281

DATE: 03/20/2002

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Input Set : A:\13587_338.txt

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L:11 M:270 C: Current Application Number differs, Replaced Current Application No

L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date